

MALCOLM PIRNIE, INC.

**PASSAIC RIVER ESTUARY
PRE-EXPANSION ACTIVITIES
PROGRESS REPORT**

MPI. PROJECT NO.:	0285-924
CLIENT:	USACE-KC
CONTRACT NO.:	DACW41-02-D-0003, Task Order 0008
LOCATION:	New Jersey
REPORT NO.:	4
DATES COVERED:	February 8, 2003 through March 14, 2003
EPA IAG No.:	DW96941915

PREPARED BY:

Bruce Fidler, Malcolm Pirnie Project Manager
Lisa Szegedi-Greco, Deputy Project Manager

Task Order 0008/RI/FS

Contract Action	Estimated Cost	Fixed Fee	Total Estimated Costs
ATP 1	\$791,654	\$60,956	\$852,610
Total Authorized Amount:			\$852,610

1. Submitted work basis, cost estimate and WVN for WO4 and WO9, as well as remaining negotiated, but not obligated, costs to the USACE on December 20, 2002. Conducted negotiations on the above cost estimate among USEPA, USACE, and MPI on January 6, 2003.
2. WVN No. 1 was submitted on January 31, 2003 and signed by the USACE on February 4, 2003. This WVN moves dollars and hours from WAD02, subtask WO8a (95 hours and \$10,550) and WAD02, subtask WO 8g (40 hours and \$8,410) to a new task (WAD 02, WO 8k – Public Website Set-up).

A. Current Status Summary (February 8, 2003 through March 14, 2003)

WAD 1: PROJECT MANAGEMENT

- Conducted weekly progress teleconferences and updated and distributed Action Item List.
- Prepared and submitted third set of Earned Value (EV) curves and Progress Report covering the period January 11 through February 7, 2003.
- Prepared and submitted an invoice for the period covering December 14, 2002 through February 7, 2003.

WAD 2: RI/FS SERVICES

- Three data source visits were conducted; the NJ Baykeeper on February 11, 2003, TSI on February 13, 2003, and the USACE – NY District on March 11, 2003. Meeting minutes for the USACE meeting can be found on the Passaic River Estuary Management Information System (PREmis) under the calendar and under Document Management, Data Source Visits. The meeting with the Baykeeper is recorded under the communication logs. The TSI meeting minutes are not on the system since they have not yet been received from TSI.
- Continued development of PREmis modules. Additional features that were added to the system include:
 - The project schedule is available on the website for viewing or downloading in both 1998 and 2000 versions of MS Project

- Four reports have been added to the Project Management tab on the website. These include the following: 1) a communication log that lists all data source-related communications for the project, along with potential information available from each source; 2) a technical support module that lists all technical support-related tasks, along with the estimated and actual hours, cost, and completion date; 3) a deliverables module that lists all major project deliverables and their status; and 4) an Overview Report that identifies data and reports that are available from various data sources.
- An original due date column was added to the action item list.
- Continued development of the How-to Training Videos for PREmis.
- Continued development of the public website; ourpassaic.org.
- A review was conducted of two map server options (*i.e.*, Arc IMS and Map Guide), and discussions on each option were held with HydroQual, USEPA, and USACE. A decision was made to use Map Guide for PREmis' mapping needs.
- Meeting minutes were linked to meeting dates on the calendar in PREmis.
- A preliminary list of technical experts that may be required for this project was submitted to the USACE and USEPA on February 25, 2003.
- The following documents were added to Document Management; a list of all Malcolm Pirnie, Battelle, and HydroQual personnel that are approved to work on the project, a list of all Malcolm Pirnie personnel that are not approved to work on the project, blank versions of the COI and confidentiality forms, and resumes for all personnel approved for the project.
- The following deliverables were submitted to the USACE and USEPA:
 - The Draft Final GIS/Overview Report was submitted on February 18, 2003
 - The Draft Final HEP/CARP Evaluation Report was submitted on February 20, 2003
 - The Skills Matrix for Malcolm Pirnie and Battelle was submitted on February 20, 2003
 - The Final PEAP and QCP, as well as the response to comments, were submitted on February 21, 2003
 - The Dissemination of Information to Public Web Site SOP was submitted on February 21, 2003
 - The preliminary list of technical experts was submitted on February 24, 2003
 - The Request for CLP and FORMS II Lite modifications memo was submitted on March 6, 2003
 - The Request for Information from Federal Websites memo was submitted on March 14, 2003

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B. Problems Encountered and Solved

Problem: None

Solution: N/A

C. Meetings

None.

D. Schedule/Budget

- Earned value curves for Task Order No. 8 are attached to this progress report and summarized in Attachment 1.

E. Planned Activities

- Continue scheduling data source visits. A visit has been scheduled with the NJ Meadowlands Commission for March 27, 2003. Other organizations that still need to be visited include Stevens Institute, the Hackensack Riverkeeper, and Passaic River Coalition.
- A data visualization meeting is tentatively scheduled with HydroQual for April 1, 2003.
- Create and submit a preliminary list of document types and key attributes for the Document Management System.
- Discuss the HEP/CARP Data Evaluation Report and the GIS/Overview Report.
- Establish a river mile scheme for the Passaic River. This task cannot be completed until GIS maps are received from TSI.
- Initiate contacts with candidates for the Technical Expert Team.
- Develop a preliminary look for the public website and begin initial set-up for it.
- Determine whether USEPA or a subcontractor will copy the USEPA files.
- Amend the PEAP and QCP to reflect the additional tasks that are part of WAD 03.

I. Subcontractor Activity

- HydroQual conducted the following activities during the reporting period:

The database files were obtained, and preliminary analysis determined the sample collection exercises, the year of the exercise, the sample location and the chemicals sampled. The databases also contain depth of sample information from sediment core samples as well as tissue sample data. The analysis has shown that the year 1995 has much more data available and may indicate a suitable year for in-depth analysis as well as for modeling calibration/validation. Further analysis has proceeded by setting up a database query manager, data sub-sampling using the query tool, and organizing the data into tables. Development of map-based spatial representation of some of the data is continuing as is generation of the graphics displays and plot views of data extracted from the database. Resumes were obtained and sent for the potential expert panel candidates. The review of the proposed HEP/CARP Tier 2 model was initiated with a focus on the compatibility of this framework with the technical needs of the Passaic Study.

- Battelle reviewed the Draft HEP/CARP evaluation report.

ATTACHMENT 1
SUMMARY OF COST PERFORMANCE

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Task Order 0008 – Project Management

WAD 1: Project Management, WO 1, Project Administration

Scope: Provide overall management activities to oversee technical, subcontracting and financial activities.

Variance Analysis: This task is currently slightly over budget due to the billing/clerical task. This task had a larger than normal amount of hours charged to it during this reporting period since there was a significant amount of conflict of interest (COI) duties. This included assembling resumes for all personnel allowed to work on the project, as well as establishing a COI location on Document Management in PREmis. Since this task has been completed, it is anticipated that this variance will be reduced in the future.

Corrective Action Plan: None

WAD 1: Project Management, WO 2, Meetings

Scope: Includes cost associated with project team meetings including meetings with USACE and USEPA.

Variance Analysis: This task is currently behind schedule since a project meeting is scheduled every two months; however, one was not held in January or February.

Corrective Action Plan: None

WAD 1: Project Management, WO 3, Technical Support

Scope: Provide support to the USACE and USEPA, as directed by the USACE. Since January 24, 2003, when this task was first utilized, to the present, the following technical support work was conducted:

Completed Items:

- CLP/FORMS II Lite Memo – This memo summarizes the results of our review of CLP laboratory requirements and FORMS II Lite reporting requirements. Based on the review, a modification to the CLP and FORMS II Lite requirements has been requested from the USEPA Regional Sample Control Coordinator (RSCC). Assembling this memo required conversations with RSCC, review of several documents describing current CLP protocol, an in-depth analysis of the FORMS II Lite database configuration, and an analysis of the feasibility of using a commercially available software program to populate FORMS II Lite with information in PREmis' database. The total cost for this task is \$7,622.

- Attendance at the I-MAP Meeting – Malcolm Pirnie attended this meeting in order to get current information regarding the availability of NJDEP GIS maps for download, as well as the availability of internet-based NJDEP mapping tools. The total cost for this task is \$1,542.
- Attendance at the gpPR EcoRestoration Meeting – Malcolm Pirnie and HydroQual attended this meeting in order to meet the key players involved in the WRDA portion of the Passaic River Estuary, as well as become familiar with the issues involved in combining Superfund and WRDA work on the project. The total cost for this task (including both Malcolm Pirnie and HydroQual charges) is \$4,901.
- Rick's Power Point Presentation – Rick Winfield has created a Power Point Presentation for use at various project related meetings. This task included updating the mapping graphics within the presentation. The total cost for this task is \$3,072.34.
- Miscellaneous Items (i.e., < \$2,000 each)

The total cost for these items is \$2,499.

- Project Schedule – The project schedule was posted to PREmis for viewing or downloading in both a 1998 and 2000 MS Project version.
- Field Application Security Memo – A memo that describes the security that will be used for the Passaic River Estuary field application was written by Malcolm Pirnie. The purpose of this memo is for the USEPA legal department to identify any security lapses prior to programming the field application module.
- Technical Expert Compilation - Malcolm Pirnie, HydroQual, and Battelle assembled a preliminary list of technical experts that may be required for this project.
- Map Server Technology – Two map server options are available for PREmis; Arc IMS and Map Guide. Discussions were held between various project team members to evaluate which server is better suited for the project.
- Assemble Example Map Graphics – Rick Winfield had requested that example map graphics be assembled for his review.

In-Progress Items:

- Review FIELDS Application – This application has been downloaded and will be reviewed for its relevance for this project. Prior to continuing any work on this task, a cost estimate will be submitted to the USACE; however, it is estimated that this will cost more than \$2,000. To date, a total of \$59 has been spent on this task.
- Create a River Mile Scheme for the Passaic River – This task cannot be completed until GIS information is obtained from TSI. Since the maps are currently unavailable, a cost estimate cannot be given. Prior to continuing any work on this

task, a cost estimate will be submitted to the USACE. To date, a total of \$118 has been spent on this task.

Variance Analysis: None

Corrective Action Plan: None

WAD 1: Project Management (Expenses)

Scope: Office expenses for computer and reproduction services.

Variance Analysis: None

Corrective Action Plan: None

Task Order 0008 – RI/FS Activities

WAD 2: RI/FS Activities, WO 1, PEAP

Scope: Prepare a Draft and Final PEAP utilizing Work Plans from similar sites.

Variance Analysis: This task, which is completed, is over budget. The reason for this is a change in the approach for development of the document. The negotiated cost was based on the assumption that the document was to be prepared quickly using readily available material previously prepared by USEPA, and utilizing Work Plans from similar sites. While Work Plans for similar sites that are available to Malcolm Pirnie may be helpful in preparing investigation plans for the next phase of work, they generally encompass tasks that bear little similarity to a number of the tasks being undertaken in this phase and were not generally helpful for this effort. Also, given the basis of the budget negotiated, it was expected that details of format and style would be of limited concern and that Malcolm Pirnie would employ typical formats used on other projects for the USEPA and the Kansas City District. Responsiveness to the greater detailed interest than anticipated in presentation styles for text and graphics has led to more iterative efforts in document preparation than expected. It is expected that as format and style appropriate to this project are developed and standardized, preparation of later documents will become more routine.

Corrective Action Plan: Malcolm Pirnie proposes to prepare a brief SOP incorporating format and style standards for text and graphics agreed upon for this project to guide the various technical teams for future deliverables.

WAD 2: RI/FS Activities, WO 2, Inventory Historical Data

Scope: Create an inventory of historical data, reports, and papers pertinent to the Passaic River Estuary. This includes creating an overview report that lists all potential sources that were identified, as well as gives a brief summary of what information is available from each source. This task also includes researching, assembling, and evaluating readily available base mapping for the Passaic River Estuary and creating a mapping overview report.

Variance Analysis: This task is currently slightly over budget and slightly behind schedule. The reason this task is over budget is because WO02, Task 2f, which is completed, is over budget. There are several reasons contributing to this. First, the negotiated cost was based on a study area limited to the 17-mile tidally influenced area of the Passaic River. The budget assumption was that the primary source of base mapping data would be the NJDEP, which was known to have high quality mapping for this study area. We anticipated acquiring key datasets (primarily from NJDEP) and identifying additional local sources and studies within this study area only. However, this scope was expanded to support the development of public presentation graphics that included the entire watershed area extending into New York State. This required the

acquisition and evaluation of additional data sources, and the resolution of inconsistencies between data from multiple state and federal sources.

Second, preparation of presentation and PEAP mapping was a highly iterative process. Significant efforts were expended in determining formats and styles of the various maps being prepared, as well as ongoing discussions as to the precise boundaries of the areas to be shown on the maps. In addition, while the available data layers were highly detailed, it was felt that simplified versions would be more appropriate to best communicate the material to the public as the project moves forward. To this end, the available data required reformatting to reduce the level of detail, which was also an iterative process.

This task is behind schedule for two reasons; 1) It was anticipated that document copying would have already started, and 2) Since many of the initial data source contacts were obtained from the USEPA, this task has been conducted for less budget than anticipated. However, it is anticipated that this variance will be reduced in the future as previously unidentified data sources are discovered.

Corrective Action Plan: It is expected that a brief SOP standardizing format and style for maps and graphics, as discussed for WO 1, will guide future work products.

WAD 2: RI/FS Activities, WO 3, Evaluate HEP/CARP Database

Scope: Evaluate the viability of integrating the HEP/CARP database with the system-wide database.

Variance Analysis: None

Corrective Action Plan: None

WAD 2: RI/FS Activities, WO 5, Conceptual Model

Scope: Develop an understanding of the processes affecting the fate and bioaccumulation of metals and organic chemicals within the Passaic River Estuary.

Variance Analysis: This task is currently behind schedule since work appears to have been initiated more slowly than anticipated.

Corrective Action Plan: A meeting was held between Malcolm Pirnie and HydroQual to discuss the schedule for this work. Now that HydroQual has begun work on this task, it is anticipated that the variance will be corrected.

WAD 2: RI/FS Activities, WO 6, Mass Balance and Quantification

Scope: Create and estimate of the mass of each contaminant of concern present in the Passaic River Estuary.

Variance Analysis: This task is currently behind schedule since work appears to have been initiated more slowly than anticipated.

Corrective Action Plan: A meeting was held between Malcolm Pirnie and HydroQual to discuss the schedule for this work. Now that HydroQual has begun work on this task, it is anticipated that the variance will be corrected.

WAD 2: RI/FS Activities, WO 7, Evaluate HEP/CARP Framework

Scope: Review the HEP/CARP framework with respect to applicability to the contaminants of concern in the Passaic River Estuary.

Variance Analysis: This task is currently behind schedule since work appears to have been initiated more slowly than anticipated.

Corrective Action Plan: A meeting was held between Malcolm Pirnie and HydroQual to discuss the schedule for this work. Now that HydroQual has begun work on this task, it is anticipated that the variance will be corrected.

WAD 2: RI/FS Activities, WO 8, Website and GIS System

Scope: Create a Passaic River Estuary Project Web Site/Database that will serve as the access point for all study data, documents, and project related files.

Variance Analysis: This task is currently slightly under budget since the Document Management System and Management Reports were completed under budget. However, since comments on the Management Reports have not yet been received, it is possible that this variance will decrease in the future.

Corrective Action Plan: None

WAD 2: RI/FS Activities, WO 10, QCP

Scope: Prepare a Draft and Final QCP.

Variance Analysis: This task, which is complete, is over budget. The reason for this is that this document was prepared in concert with the PEAP and, similarly, responsiveness to the greater detailed interest than anticipated in presentation styles for text and graphics has led to more iterative efforts in document preparation than expected.

Corrective Action Plan: It is expected that a brief SOP standardizing format and style for maps and graphics, as discussed for WO 1, will guide future work products.

WAD 2: Investigation Support (Expenses)

Scope: Office expenses for computer and reproduction services.

Variance Analysis: None

Corrective Action Plan: None

SUMMARY OF TASK ORDER NO. 0008
MANAGEMENT, SUPPORT, AND INVESTIGATION
3/14/03

Task Order No. 0008	Current Budget Cost (BC)	Scheduled Budget Cost (BCWS)	Cost to Date (ACWP)	Percent Complete (PCT)	Earned Value (BCWP)	Estimate to Complete (ETC)	Estimate at Completion (EAC)
WAD 01 (Project Management Administration)	\$ 227,770	\$ 102,418	\$ 93,963	40.8%	\$ 93,014	\$ 131,125	\$ 223,470
WAD 02 (RI/FS Services)	\$ 563,885	\$ 334,032	\$ 244,455	42.2%	\$ 237,801	\$ 286,628	\$ 525,402
NA (Fee)	\$ 60,956	\$ 33,552	\$ 26,420	41.8%	NA	\$ 33,420	\$ 59,910
Total (Less Fee)	\$ 791,655	\$ 436,450	\$ 338,418	41.8%	\$ 330,815	\$ 417,753	\$ 748,872

Task Order No. 0008	Cost Variance (CVAR)	Schedule Variance (SVAR)	Cost Performance Index (CPI)	Schedule Performance Index (SPI)	CPI/SPI Ratio
WAD 01 (Project Management Administration)	\$ 37,575	\$ 34,181	0.99	0.91	0.90
WAD 02 (RI/FS Services)	\$ 37,575	\$ 46,654	0.97	0.71	0.69
NA (Fee)	NA	NA	NA	NA	NA
Total (Less Fee)	\$ 75,150	\$ 80,835	0.98	0.76	1.29

Prepared 3/28/03

Note: The CAC for WAD 02 differs from the BC by approximately \$30,000. This is mainly because certain tasks (e.g., WO 06, WE 02 and WE 03) have not yet started.

	MPI	HQI	Battelle	Total
Total Budget	\$553,244	\$275,935	\$23,432	\$852,611
Total Expended	\$213,688	\$30,151	\$18,233	\$262,072
Remaining Funds	\$339,556	\$245,784	\$5,199	\$590,539
Schedule Status	On Schedule	Work slightly behind schedule	On Schedule	

Calculations:

PCT = (BCWP/BC) X 100*

ETC = (BAC-BCWP)/(BCWP/ACWP)**

CAC = ACWP + ETC

CVAR=ACWP-BCWP

SVAR=BCWS-BCWP

CPI = BCWP/ACWP

SPI = BCWP/BCWS

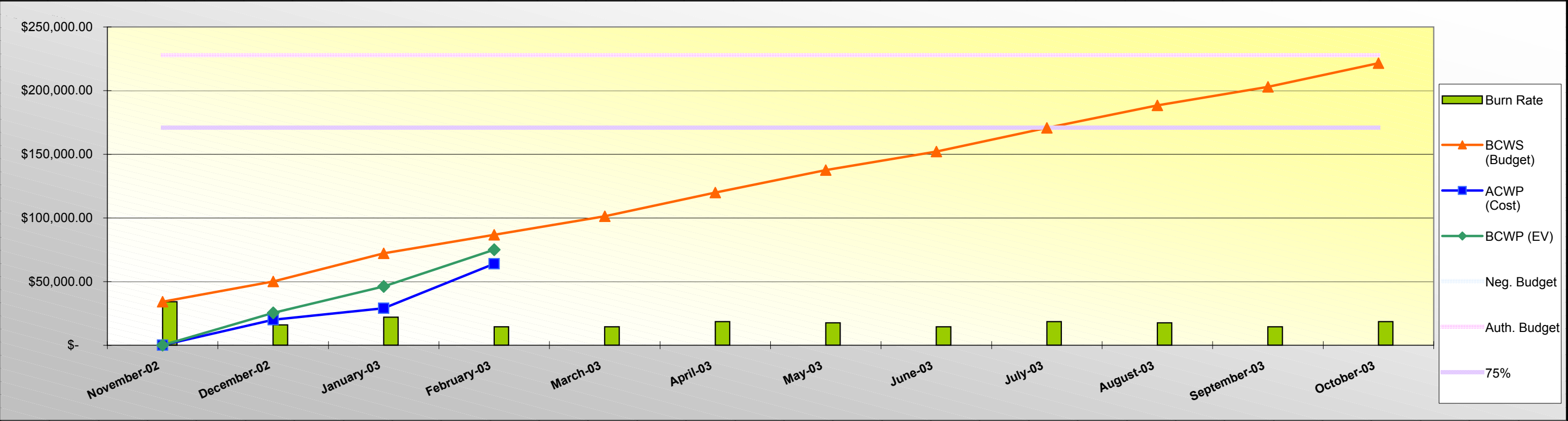
* - PCT for Fee is calculated less travel, since travel expense costs are not fee-bearing.

** - Generally, this formula is used to calculate ETC; however, wherever warranted a judgmental ETC is estimated.

Month	Burn Rate - WAD01	Burn Rate - WAD02
Nov-02	\$ 34,180.78	\$ 46,654.16
Dec-02	\$ 15,981.63	\$ 38,148.97
Jan-03	\$ 22,139.51	\$ 113,044.93
Feb-03	\$ 14,548.43	\$ 63,922.95
Mar-03	\$ 14,548.43	\$ 72,261.36
Apr-03	\$ 18,569.68	\$ 67,474.69
May-03	\$ 17,663.52	\$ 51,961.27
Jun-03	\$ 14,548.43	\$ 34,263.36
Jul-03	\$ 18,569.68	\$ 33,862.89
Aug-03	\$ 17,663.52	\$ 33,781.98
Sep-03	\$ 14,548.43	\$ 2,400.48
Oct-03	\$ 18,569.68	\$ 2,108.30

Cost/Schedule Through March 14th, 2003

Summary of WAD 1 Task Order 0008 - Project Management Administration

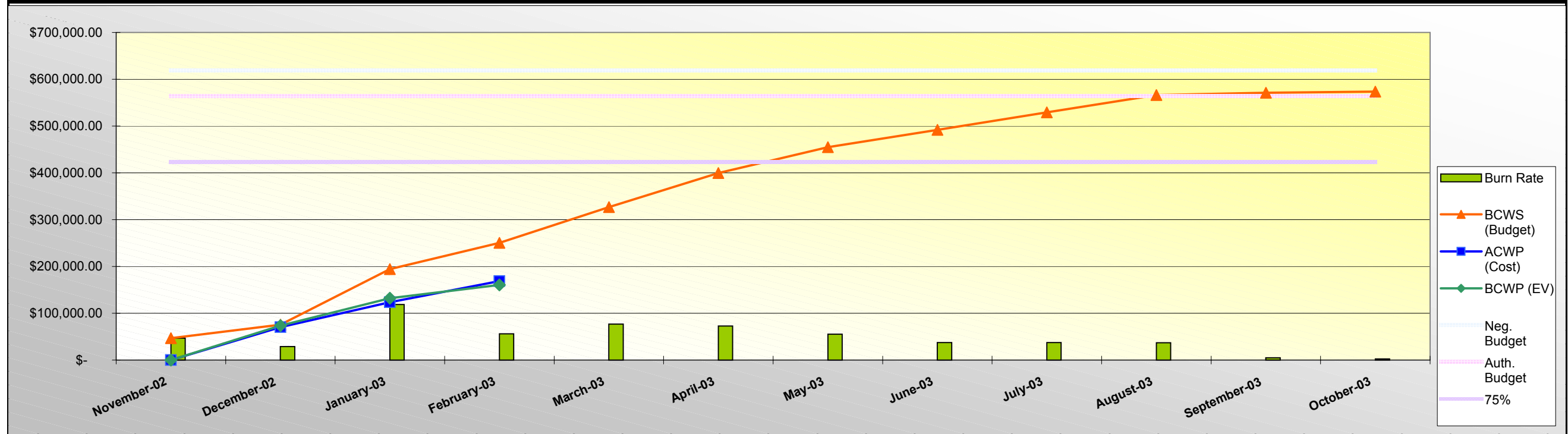


WAD	Work Order	Work Element	Description	Current Budgeted Cost (BC)	Schedule Budget Cost (BCWS)	Cost to Date (ACWP)	Percent Complete (PCT)	Earned Value (BCWP)	Cost to Complete (ETC)	Cost at Complete (CAC)	Cost Variance (CVAR)	Schedule Variance (SVAR)
1	1	00	Project Administration/Reporting	\$ 141,356.00	\$ 61,845.48	\$ 64,455.44	43.8%	\$ 61,845.18	\$ 82,866.68	\$ 147,322.12	\$ (2,610.26)	\$ (0.30)
1	2	00	Meetings	\$ 23,496.00	\$ 11,582.25	\$ 4,974.00	32.7%	\$ 7,693.58	\$ 10,216.47	\$ 15,190.47	\$ 2,719.58	\$ (3,888.67)
1	3	00	Technical Support	\$ 35,901.00	\$ 16,738.90	\$ 13,457.09	37.5%	\$ 13,457.09	\$ 22,443.91	\$ 35,901.00	\$ -	\$ (3,281.81)
1	0	00	Labor Totals	\$ 200,753.00	\$ 90,166.63	\$ 82,886.53	41.3%	\$ 82,995.85	\$ 115,527.06	\$ 198,413.59	\$ 109.32	\$ (7,170.78)
1	0	00	Expenses(Computer/Reproduction)	\$ 25,056.00	\$ 10,440.00	\$ 9,458.40	37.7%	\$ 9,458.40	\$ 15,597.60	\$ 25,056.00	\$ -	\$ (981.60)
1	0	00	Travel and Lodging Expenses	\$ 300.00	\$ 150.00	\$ 1,057.92	0.0%	\$ -	\$ #DIV/0!	\$ #DIV/0!	\$ (1,057.92)	\$ (150.00)
1	0	00	Subcontractor Fee	\$ 1,661.00	\$ 1,661.00	\$ 560.24	33.7%	\$ 560.24	\$ 1,100.76	\$ 1,661.00	\$ -	\$ (1,100.76)
1	0	00	WAD Fee(Less Travel)	\$ 18,064.72	\$ 8,048.53	\$ 7,396.34	40.9%	\$ -	\$ 10,489.97	\$ 17,877.57	\$ -	\$ -
1	0	00	Job To DateTotals(Less Fee)	\$ 227,770.00	\$ 102,417.63	\$ 93,963.09	40.8%	\$ 93,014.49	\$ 131,124.66	\$ 223,469.59	\$ 109.32	\$ (8,152.38)

Note: The earned value curves depicts labor costs and expenses to date. The percent complete for the WAD is a statistical calculation.

Cost/Schedule Through March 14th, 2003

Summary of WAD 2 Task Order 0008 - RI/FS Services



WAD	Work Order	Work Element	Description	Current Budgeted Cost (BC)	Schedule Budget Cost (BCWS)	Cost to Date (ACWP)	Percent Complete (PCT)	Earned Value (BCWP)	Cost to Complete (ETC)	Cost at Complete (CAC)	Cost Variance (CVAR)	Schedule Variance (SVAR)
2	1	00	Pre-Expansion Activity Plan	\$ 41,668.80	\$ 41,668.80	\$ 46,797.43	100.0%	\$ 41,668.80	\$ -	\$ 46,797.43	\$ (5,128.63)	\$ -
2	2	00	Inventory Historical Data	\$ 68,448.87	\$ 57,714.87	\$ 51,408.54	67.6%	\$ 46,301.50	\$ 24,590.22	\$ 75,998.76	\$ (5,107.04)	\$ (11,413.37)
2	3	00	Evaluate HEP/CARP Database	\$ 34,044.72	\$ 34,044.72	\$ 34,711.99	100.0%	\$ 34,044.72	\$ -	\$ 34,711.99	\$ (667.27)	\$ -
2	5	00	Develop Detailed Conceptual Model	\$ 88,894.00	\$ 53,336.40	\$ 17,839.70	20.1%	\$ 17,839.70	\$ 71,054.30	\$ 88,894.00	\$ -	\$ (35,496.70)
2	6	00	Prelim Contaminant Mass Balance and In-Situ Mass Quantification	\$ 164,160.06	\$ 37,133.35	\$ 2,631.00	1.6%	\$ 2,639.00	\$ 161,031.42	\$ 163,662.42	\$ 8.00	\$ (34,494.35)
2	7	00	Evaluate HEP/CARP Tier 2 Modeling Framework	\$ 11,214.00	\$ 8,410.50	\$ 2,089.84	23.0%	\$ 2,579.00	\$ -	\$ 2,089.84	\$ 489.16	\$ (5,831.50)
2	8	00	Development and Implementation Website/GIS	\$ 105,415.49	\$ 72,069.69	\$ 62,057.33	71.2%	\$ 75,017.42	\$ 25,146.47	\$ 87,203.80	\$ 12,960.09	\$ 2,947.73
2	10	00	Quality Control Plan	\$ 8,802.70	\$ 8,802.70	\$ 11,812.33	94.1%	\$ 8,284.70	\$ 738.56	\$ 12,550.89	\$ (3,527.63)	\$ (518.00)
2	0	00	Labor Totals	\$ 522,648.64	\$ 313,181.03	\$ 229,348.16	43.7%	\$ 228,374.84	\$ 282,560.97	\$ 511,909.13	\$ (973.32)	\$ (84,806.19)
2	0	00	Expenses(Less Travel)	\$ 13,493.36	\$ 5,610.84	\$ 9,425.83	69.9%	\$ 9,425.83	\$ 4,067.53	\$ 13,493.36	\$ -	\$ 3,814.99
1	0	00	Travel and Lodging Expenses	\$ 2,738.00	\$ 2,738.00	\$ 2,283.38	0.0%	\$ -	\$ -	\$ 2,283.38	\$ (2,283.38)	\$ (2,738.00)
1	0	00	Subcontractor Fee	\$ 25,005.00	\$ 12,502.50	\$ 3,397.66	13.6%	\$ 3,397.66	\$ -	\$ 3,397.66	\$ -	\$ (9,104.84)
2	0	00	WAD Fee(Less Travel)	\$ 42,891.36	\$ 25,503.35	\$ 19,024.05	44.4%	\$ -	\$ 22,930.28	\$ 42,032.20	\$ -	\$ -
2	0	00	Job To DateTotals(Less Fee)	\$ 563,885.00	\$ 334,032.37	\$ 244,455.03	42.2%	\$ 237,800.67	\$ 286,628.50	\$ 525,402.49	\$ (973.32)	\$ (80,991.20)

Note: The earned value curves depicts labor costs and expenses to date. The percent complete for the WAD is a statistical calculation.